PTO/SB/08a (06-09)
Approved for use through 07/31/2009. OMB 0651-0031
Output
Ou

	Application Number		10521040
	Filing Date		2005-08-16
INFORMATION DISCLOSURE	First Named Inventor	entor Herman Jan Tijmen Coelingh Bennink et al.	
(Not for submission under 37 CFR 1.99)	Art Unit		1616
(Not for Submission under 67 Of K 1.00)	Examiner Name	Mei-P	ing Chui
	Attorney Docket Numb	er	0470-050079

				U.S.	PATENTS	Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/H.C./	1	6500814		2002-12-31	Hesch	
	2	6214815		2001-04-10	Shangold et al.	
	3	5827843		1998-10-27	Koninckx	
	4	5662927		1997-09-02	Ehrlich et al.	
000000000000000000000000000000000000000	5	5633242		1997-05-27	Oettel et al.	
	6	5340586		1994-08-23	Pike et al.	
	7	5223261		1993-06-29	Nelson et al.	
V	8	5130137		1992-07-14	Crowley, Jr.	

Application Number		10521040	
Filing Date		2005-08-16	
First Named Inventor Herma		an Jan Tijmen Coelingh Bennink et al.	
Art Unit		1616	
Examiner Name	Mei-P	ing Chui	
Attorney Docket Number		0470-050079	

					<u></u>	
000000000000000000000000000000000000000	9	5063507		1991-11-05	Lindsey et al.	
000000000000000000000000000000000000000	10	4762717		1988-08-09	Crowley, Jr.	
***************************************	11	4722941		1988-02-02	Eckert et al.	
	12	4624665		1986-11-25	Nuwayser	
000000000000000000000000000000000000000	13	4573996		1986-03-04	Kwiatek et al.	
000000000000000000000000000000000000000	14	4460372		1984-07-17	Campbell et al.	
000000000000000000000000000000000000000	15	3797494		1974-03-19	Zaffaroni	
V	16	3440320		1969-04-22	Sackler et al.	
If you wish	n to ac	dd additional U.S. Paten	t citatio	n information pl	ease click the Add button.	Add
			U.S.P	ATENT APPLIC	CATION PUBLICATIONS	Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/H.C./	1	20020183299		2002-12-05	Voskuhl	
If you wish	n to ac	dd additional U.S. Publis	shed Ap	plication citation	n information please click the Add	d button. Add

Application Number		10521040	
Filing Date		2005-08-16	
First Named Inventor Herma		an Jan Tijmen Coelingh Bennink et al.	
Art Unit		1616	
Examiner Name Mei-P		ing Chui	
Attorney Docket Number		0470-050079	

			FORE	TENT DOCUM	IENTS	Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
000000000000000000000000000000000000000	1	0185154	wo	A2	2001-11-15	Oregon Heath Sciences University et al.		
***************************************	2	1700602	EP	A1	2001-05-18	Pantarhei Bioscience B.V		
00000	3	0130357	wo	A	2001-05-03	Theramex		
	4	0073416	wo	A1	2000-12-07	University of Cincinnati		
000000000000000000000000000000000000000	5	0062753	wo		2000-10-26	Jenapharm GmbH & Co.		
	6	19917930	DE	A1	2000-10-19	Schering		
	7	9858657	wo	A1	1998-12-30	Mannaerts et al		
000000000000000000000000000000000000000	8	9603929	wo	A1	1996-02-15	Biex, Inc.		
\	9	9517895	WO		1995-07-06	Ehrlich et al		

Application Number		10521040		
Filing Date		2005-08-16		
First Named Inventor Herma		an Jan Tijmen Coelingh Bennink et al.		
Art Unit		1616		
Examiner Name Mei-P		ing Chui		
Attorney Docket Number		0470-050079		

000000000000000000000000000000000000000		10	9502408	WO	A1	1995-01-26	Schering		
000000000000000000000000000000000000000		11	9218107	WO	A1	1992-10-29	University of Southern California		
000000000000000000000000000000000000000		12	468690	EP	A1	1991-07-17	Sumitomo Chemical Co., Ltd.		
000000000000000000000000000000000000000		13	0402950	EP	А	1975-12-18	Orion Yhtymae OY		
***************************************		14	2426779	DE	A1	1975-12-18	Schering AG		
000000000000000000000000000000000000000		15	2336434	DE	A1	1975-04-17	Schering AG		
200000000000000000000000000000000000000		16	2336433	DE	A1	1975-04-03	Schering AG		
	,	17	9603929	wo	A1	1966-02-15	Biex, Inc.		
If you	ı wish	to ac	dd additional Foreign P				ease click the Add button		
	П					RATURE DO		Remove	
Exam Initial		Cite No		nal, serial, symp	osium,	catalog, etc), c	the article (when appropri late, pages(s), volume-iss		T ⁵
/H.C	<i>}.</i> /	1	VISSER et al., "In vitro e CLIMACTERIC (2008) 1		n recept	or binding, drug	targets and human liver cell	l metabolism,"	

Application Number		10521040	
Filing Date		2005-08-16	
First Named Inventor	Herm	an Jan Tijmen Coelingh Bennink et al.	
Art Unit		1616	
Examiner Name	Mei-P	ing Chui	
Attorney Docket Number		0470-050079	

		2	VISSER et al., "First human exposure to exogenous single-dose oral estetrol in early postmenopausal women," CLIMACTERIC (2008) 11(1): 1-10.	
		3	VISSER et al., "Clinical applications of estetrol," J. Of Steroid Biochem and Molecular Biol. (2009) 114: 85-89.	
		4	HOLINKA et al., "Estetrol: A unique steroid in human pregnancy," J. of Steroid Biochem and Molecular Biol. (2009) 110: 138-143.	
		5	COELINGH BENNINK et al., "Oral bioavailability and bone sparing effects of estetrol in an osteoporosis model," CLIMACTERIC (2008) 11 (Supp 3): 1-13.	
		6	ALBERTAZZI PAOLA et al., "The Effect of Tibolone Versus Continuous Combined Norethisterone Acetate and Oestradiol on Memory, Libido and Mood of Postmenopausal Women: A Pilot study"; Database Biosis 'Onlinel; 10/31/2000; pages 223-229; Vol. 36, No. 3; Biosciences Information Service, Philadelphia, PA., U.S.	
	000000000000000000000000000000000000000	7	ALLEN ET AL., An Ovarian Hormone: Preliminary Report on Its Localization, Extraction and Partial Purification, and Action in Test Animals, JAMA, September 8, 1923, Vol. 81, pp. 819-821.	
	000000000000000000000000000000000000000	8	ALLEN ET AL., The Induction of a Sexually Mature Condition in Immature Females by Injection of the Ovarian Follicular Hormone, Am. J. Physiol., 1924, Vol. 69, pp. 577-588.	
	000000000000000000000000000000000000000	9	JONES ET AL., The Effects of Various Steroids on the Vaginal Histology in the Rat, Fertility and Sterility, April 1973, Vol. 24, No. 4, pp. 284-291.	
	000000000000000000000000000000000000000	10	TULCHINSKY ET AL., Plasma Esterol as an Index of Fetal Well-Being, J. Clin. Endrocrinol. Metab., 1975, Vol 40. Pp. 560-567.	
	000000000000000000000000000000000000000	11	HAMMOND ET AL., A Versatile Method for the Determination of Serum Cortisol Binding Globulin and Sex Hormone Binding Globulin Binding Capacities, 1983, Vol. 132, pp. 101-110.	
1	***************************************	12	ELGER ET AL., Sulfamates of Various Estrogens are Prodrugs with Increased Systemic and Reduced Hepatic Estrogenicity at Oral Application, J. Steroid Biochem. Molec. Biol., 1995, Vol. 55, No. 3 / 4, pp. 395-403.	

Application Number		10521040	
Filing Date		2005-08-16	
First Named Inventor	Herm	an Jan Tijmen Coelingh Bennink et al.	
Art Unit		1616	
Examiner Name	Mei-P	ing Chui	
Attorney Docket Number		0470-050079	

	13	MURPHY ET AL., Endometrial Effects of Long-Term Low-Dose Administration of RU486, Fertility and Sterility, April 1995, Vol. 63, No. 4, pp. 761-766.	
	14	REEL ET AL., Survey and Assessment of Mammalian Estrogen Biological Assays for Hazard Characterization, Fundamental and Applied Toxicology, 1996, Vol. 34, pp. 288-305.	
	15	BERAL ET AL., Use of HRT and the Subsequent Risk of Cancer, Journal of Epidemiology and Biostatistics, 1999, Vol. 4, No. 3, pp. 191-215.	
	16	TAVANI ET AL., The Adverse Effects of Hormone Replacement Therapy, Drugs & Aging, May 1999, Vol. 14, No. 5, pp. 347-357.	
	17	PIKE ET AL., Progestins and Menopause: Epidemiological Studies of Risks of Endometrial and Breast Cancer, Steroids, 2000, Vol. 65, pp. 359-664.	
	18	AVVAKUMOV ET AL., Steroid-binding Specificity of Human Sex Hormon-binding Globulin Is Influenced by Occupancy of a Zinc-binding Site, The Journal of Biological Chemistry, August 25, 2000, Vol. 275, No. 34, pp. 25920-25925.	
	19	HOLINKA, ET AL., "Comparison of Effects of Esterol and Tamoxifen with Those of Estriol and Estradiol on the Immature Rat Uterus", Biology of Reproduction, Society for the Reproduction Society for the Study of Reproduction, Champaign, IL, US, 1980, Vol. 22, No. 4, pp. 913-926.	
	20	JANSSON ET AL., "Estrogen Induces a Potent Suppression of Experimental Autoimmune Encephalomyelitis and Collagen-Induced Arthritis in Mice", Journal of Neuroimmunology, Elsevier Science Publishers BV XX, 1994, Vol. 53, No. 2, pp. 203-207.	
	21	ERDBRUEGGER ET AL., Drug Discovery Today: Disease Mechanisms (2004), Vol. 1, pp. 73-81.	
	22	Lab Tests Online (www.labtestsonline.org/understanding/conditions/autoimmune.html) retrieved on 10/15/2009.	
•	23	www.tiscali.co.uk/lifestyle/healthfitness/health_advice/netdoctor/archive/000489.html, 10/15/2009.	

Application Number		10521040
Filing Date		2005-08-16
First Named Inventor Herma		an Jan Tijmen Coelingh Bennink et al.
Art Unit		1616
Examiner Name	Mei-Ping Chui	
Attorney Docket Number		0470-050079

		24	MedlinePlus Medical Encyclopedia: Mutiple Sclerosis, retrieved on 03/28/2008 via www.nlm.nih.gov/medlineplus/ency/article/000737.htm, dated on 0806/2007, Page 1 and 2; also see WebMD: Multiple Sclerosis - Prevention, retrieved on 03/28/2008 via www.webmd.com/multiple-sclerosis/tc/multiple-sclerosis-ms-prevention, dated on 03/23/2006.	
		25	MedlinePlus Medical Encyclopedia: rheumatoid arthritis, retrieved on 03/28/2008 via www.nlm.nih.gov/medlineplus/ency/article/000431.htm, dated on 07/27/2007, page 1-2 and 4; also WebMD: Rheumatoid Arthritis - Prevention, retrieved on 03/28/2008 via www.webmd.com/rheumatoid-arthritis/tc/rheumatoid-arthritis-prevention, dated on 08/23/2006.	
		26	MUECK et al., "Angio and Anti-Angiogenetic Effects of Estradiol and its Metabolites", J. Clin. Basic Cardiol., 2001, pp. 153-155, Vol. 4, No. 2.	
		27	SHAH et al., "Estrogen and Skin. An Overview", Am. J. Clin. Dermatol., 2001, pp. 143-150, Vol. 2, No. 3.	
		28	SITRUK-WARE et al., "Local Hormonal Treatment for Urogenital Atrophy After Menopause", Shweiz. Rundsch, Med. Praxis, 1997, pp. 1245-1248, Vol. 86, No. 33, and SITRUK-WARE, English Translation, 1997. Praxis, Schweirzerische Rundschau fur Medizin, Vol. 86, No. 33, pp 1-13	
		29	SCHMIDT et al., "Treatment of Skin Aging with Topical Estrogens", Int. J. Dermatol., 1996, pp. 669-674, Vol. 35, No. 9.	
	***************************************	30	YOUNGLAI ET AL., Journal of Clinical Endocrinology and Metabolism, 1968, Vol. 28, Issue 11, pp 1611-1617.	
	***************************************	31	Webster Ninth New Collegiate Dictionary, 2000, Definition of Prevention, pg 1.	
		32	WILLHITE ET AL., Pharmacotherapy, 2001, Vol. 21, Issue 4, pp 464-480.	
		33	SEEGER et al., "The inhibitory effect of endogenous estrogen metabolies on copper-mediated in vitro oxidation of LDL", Int. Journal of Clinical Pharmacology and Therapeutics, (1998), Vol. 36, No. 7, pp 383-385.	
, and a second		34	KUIPERS ET AL., "Enterohepatic Circulation in the Rat", Gastroenterol., Vol. 88, pp 403-411 (1985).	

Application Number		10521040
Filing Date		2005-08-16
First Named Inventor Herma		an Jan Tijmen Coelingh Bennink et al.
Art Unit		1616
Examiner Name	Mei-Ping Chui	
Attorney Docket Number		0470-050079

		35	SCHWARTZ, "A Model for the Regulation of Ovulation in the Rat", Recent Prog. Horm. Res., Vol. 25, pp 1-55, (1969)					
		36	BEATTIE ET AL., "The Differential Effects of Diestrous Progestogen Administration on Proestrous Gonadotrophin Levels, Endocrinol", Vol 97, pp. 885-890, (1975).					
, Marie Control		37	DE VISSER ET AL., "Endocrinological Studies with (7a, 17 a)-17-Hydroxy-7-me norpregn-5(10)-en-20-yn-3-one (Org OD 14), Arzneim, Forsh., Vol. 34, pp 1010-1020, (1984).					
If you wish to add additional non-patent literature document citation information please click the Add button Add								
EXAMINER SIGNATURE								
Examiner Signature /Mei Ping Chui/				/Mei Ping Chui/	Date Considered	11/19/2010		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								
¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.								